計算機韌體實驗 (P08) 古老的密碼/Ancient Cipher

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解題要訣

- 在可重排的條件下,字母的位置不重要;重要的是每個字母出現的次數
 - 只要次數排序之後的結果相同,兩個字串即可 透過重排和一一映射
 - 使用排序函數sort()

cin的用法

• cin遇檔尾(EOF)轉換為0, false

```
25 while(cin >> stringA){
26     cin >> stringB;
49 }
```

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排序

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判定是否可以一一映射

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Lib. Functions (1/2)

- void *memset(void *ptr, int value, size_t num);
 - Defined in <string>
 - Fill block of memory
 - Set the first *num* bytes of the block pointed by *ptr* to the specified *value* (interpreted as an unsigned char)
 - E.g. Clear (reset) the blocks of memory, countA and countB

Lib. Functions (2/2)

- void sort(the first element, the last element);
 - Defined in <algorithm>
 - Overload operator <
 - The *first/last* elements are pointers
 - E.g.

```
sort(countA, countA+26); //sort A[0], A[1], ..., A[25]
sort(countB, countB+26); //sort B[0], B[1], ..., B[25]
```